Author Index

Bernard, Jean-Jacques, 79
Brehm, C., 333
Brininstool, M. R., 115
Bryan, R. P., 343
Burr, William E., 181

Carratt, M., 333
Chan, Yue, 85
Choa, F. S., 1
Colak, S., 57
Coleman, J. J., 343
Cousins, S., 109

Dakin, J. P., 35
Despresies, Emmanuel, 79
Dupont, P., 333

Eppenaga, R., 57

Foley, B., 109

Gallawa, R. I., 241
Garrett, S. L., 115
Givens, M. F., 343

Hanson, Glenn A., 173
Hirose, Y., 353
Hofler, T., 115

Jackson, D. A., 299
Jackson, D. J., 229
Jansen, M., 217
Jocteur, R., 333
Jones, J. D. C., 299
Josefowicz, J. Y., 229
Judy, A. F., 17

Kashima, Y., 353
Kuroiwa, Hiroshi, 255

Lavanant, G., 333
Ledoux, P., 333
Lee, L., 217
Le Sergent, C., 333
Lewin, B. R., 197
Li, Xiasyu, 241
Lightstone, A. W., 249
Liu, P. L., 1
Lu, Yiqun, 85

Makita, Yoshio, 27
Melman, P., 109
Montgomery, Jeff D., 69

Newmaster, J. T., 15
Neysmith, H. E. S., 17

Oho, Shigeru, 255
O'Reilly, Peter, 159
Ou, S. S., 217

Palais, Joseph C., 85
Pannell, C. N., 299
Persechini, D. L., 229
Persegol, D. 317
Pic, E., 317
Plantier, J., 317

Reinaudo, C., 333
Ryan, John R., 69

Sasayama, Takao, 255
Saugrain, J. M., 333
Sawada, Hisashi, 139
Schuurmans, M. F. H., 57
Sergant, M., 217
Smit, M. K., 235
Sono, Kenzo, 27
Suzuki, Seikoo, 255

Takoshima, Takehisa, 139
Tonaka, Akira, 139
Tanaka, Gotaro, 47
Takano, H., 353
Talbott, Richard R., 275
Tsubota, T., 353
Tatum, R. P., 299

van Vaalen, M. J. M., 235
Veith, G., 205

Wade, C. A., 35
Wakatsuki, Noboru, 139
Watanabe, Minoru, 47
Wilcox, J., 271
Withers, P. B., 35

Yamauchi, Ichiro, 27
Yang, J. J., 217
Yano, Koji, 47

Zmudzinski, C. A., 343
Zongjian, Sun, 327
Zuqiu, Liu, 181

Contents Index

Cascaded Homojunction Avalanche Photodiodes
F. S. Choa and P. L. Liu 1

Reflections From Polished Single Mode Fiber Ends
H. E. S. Neysmith and A. F. Judy 17

GRIN Lenses for High Efficiency Coupling of Laser Diodes to Single Mode Fiber
Yoshio Makita, Ichiro Yamauchi and Kenzo Sono 27

An Optical Fibre Sensor for the Measurement of Pressure
J. P. Dakin, C. A. Wade and P. B. Withers 35

Characteristics of Pure Silica Core Single-Mode Fiber
Gotaro Tanaka, Minoru Watanabe and Koji Yano 47

Effects of Band Mixing on the Radiative Properties of a Quantum Well
R. Eppenga, S. Colak and M. F. H. Schuurmans 57

Integrated Optoelectric Circuit Forecast
Jeff D. Montgomery and John R. Ryan 69

High Resolution Correlation OTDR for Distributed Fiberoptic Sensors and Mobile Cabling
Jean-Jacques Bernard and Emmanuel Depresles 79

Coupling Efficiency of Single-Mode Fiber Components Using GRIN-Rod Lenses
Yiqun Lu, Joseph C. Palais and Yue Chan 85

Analysis of Bit Error Rate and Power Penalty for a Birefringent Wavelength Division Multiplexer
B. Foley, S. Cousins and P. Melman 109

Channel Reduction Schemes for Fiber-Optic Angle Encoders
J. T. Newmaster, M. R. Brininstool, T. Hofler and S. L. Garrett 115

New Plastic Optical Fiber Using Polycarbonate Core and Fluorscence-Doped Fiber for High Temperature Use
Akira Tanaka, Hisashi Sawada, Takehisa Takoshima and Noboru Wakatsuki 139

Implication of Very Wide Fiber Bandwidth for Network Architecture
Peter O'Reilly 159

Development of Proposed Federal Standard 1070: 6.25/125-μm Graded-Index, Multimode Optical Fiber Waveguides for On-Premises Application
A. Glenn Hanson and Joseph A. Hull 173

Conformance Verification of FDDI Stations
Liu Zuqiu and William E. Burr 181

An Availability Requirement for Fiber Optic Transport Systems in Distribution Feeder Applications
B. R. Lewin 197

Useful and Detrimental Aspects of Self-Phase Modulation in Fiber Optical Applications
G. Veith 205

Monolithic Two-Dimensional Surface Emitting Arrays of GaAs/AlGaAs Lasers
J. J. Yang, L. Lee, M. Jansen, M. Sergant, S. S. Ou and J. Wilcox 217

Detectors for Monolithic Optoeletronics
D. J. Jackson, J. Y. Josefowicz, D. B. Rensch, and D. L. Persechini 229

Fabrication and Measurement of Low-Loss Planar Optical Tapers
M. J. M. van Vaalen and M. K. Smit 235

Calibrated Optical Fiber Power Meters: Factors Due to Variations in Connectors
Xiaoyu Li and R. L. Gallawa 241

A Convenient Field-Installable Antireflection Coating for Optical Fiber Connectors and Other Components
A. W. Lightstone 249

Recent Developments of Optical Fiber Sensors for Automotive Use
Takao Sasayama, Shigeru Oho, Hiroshi Kuroiwa, and Seikoo Suzuki 255

Letter to the Editor 273

Feed Forward Rings
Richard R. Talbott 275

Monomode Fiber Modulators: Frequency and Polarization State Control
C. N. Pannell, R. P. Tatum, J. D. C. Jones, and D. A. Jackson 299

A Novel Type of Electrooptic Light Modulator
D. Persegol, E. Pic, and J. Plantier 317

Measurement of Fiber Propagation Constants Using a Prism-Fiber Coupler
Sun Zongjian 327

Improved Drawing Conditions for Very Low Loss 1.55-μm Dispersion-Shifted Fiber
C. Brehm, P. Dupont, G. Lavanant, P. Ledoux, C. Le Sergent, C. Reinaudo, J. M. Saugrain, M. Carratt, and R. Jocteur 333

Operational and Design Considerations for Broad Area Graded Barrier Quantum Well Heterostructure Lasers Grown by Metalorganic Chemical Vapor Deposition for High Power Applications
M. E. Givens, C. A. Zmudzinski, R. P. Bryan, and J. J. Coleman ... 343

InGaAsP/InP Long Wavelength High Efficiency Edge Emitting LED for Single Mode Fiber Optic Communication
T. Tsubota, Y. Kashima, H. Takano and Y. Hirose 353